

Thomas Meissner

List of Publications by Year in descending order

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30
papers

1,047
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	The Emissivity of the Ocean Surface Between 6 and 90 GHz Over a Large Range of Wind Speeds and Earth Incidence Angles. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 3004-3026.	6.3	267
2	The Salinity Retrieval Algorithms for the NASA Aquarius Version 5 and SMAP Version 3 Releases. <i>Remote Sensing</i> , 2018, 10, 1121.	4.0	127
3	Capability of the SMAP Mission to Measure Ocean Surface Winds in Storms. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1660-1677.	3.3	101
4	The emission and scattering of L-band microwave radiation from rough ocean surfaces and wind speed measurements from the Aquarius sensor. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6499-6522.	2.6	92
5	Remote Sensing of Sea Surface Salinity: Comparison of Satellite and In Situ Observations and Impact of Retrieval Parameters. <i>Remote Sensing</i> , 2019, 11, 750.	4.0	55
6	Assessment of Aquarius Sea Surface Salinity. <i>Remote Sensing</i> , 2018, 10, 1341.	4.0	48
7	Atmospheric absorption model for dry air and water vapor at microwave frequencies below 100 GHz derived from spaceborne radiometer observations. <i>Radio Science</i> , 2016, 51, 381-391.	1.6	43
8	Estimating tropical cyclone surface winds: Current status, emerging technologies, historical evolution, and a look to the future. <i>Tropical Cyclone Research and Review</i> , 2021, 10, 125-150.	2.2	38
9	Status of Aquarius/SAC-D and Aquarius Salinity Retrievals. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5401-5415.	4.9	34
10	Sensitivity of Ocean Surface Salinity Measurements From Spaceborne L-Band Radiometers to Ancillary Sea Surface Temperature. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 7105-7111.	6.3	27
11	Status of Aquarius and Salinity Continuity. <i>Remote Sensing</i> , 2018, 10, 1585.	4.0	20
12	Soil Moisture Active/Passive L-Band Microwave Radiometer Postlaunch Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5339-5354.	6.3	18
13	Comparisons of Ocean Radiative Transfer Models With SMAP and AMSR2 Observations. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7683-7699.	2.6	18
14	Tropical Cyclone Wind Speeds from WindSat, AMSR and SMAP: Algorithm Development and Testing. <i>Remote Sensing</i> , 2021, 13, 1641.	4.0	18
15	All-weather wind vector measurements from intercalibrated active and passive microwave satellite sensors. , 2011, , .		17
16	Ocean Surface Foam and Microwave Emission: Dependence on Frequency and Incidence Angle. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 8223-8234.	6.3	16
17	Whitecap and Wind Stress Observations by Microwave Radiometers: Global Coverage and Extreme Conditions. <i>Journal of Physical Oceanography</i> , 2019, 49, 2291-2307.	1.7	16
18	Tropical Cyclone Winds from WindSat, AMSR2, and SMAP: Comparison with the HWRF Model. <i>Remote Sensing</i> , 2021, 13, 2347.	4.0	16

#	ARTICLE	IF	CITATIONS
19	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Upgrade. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1647-1657.	4.9	14
20	Assessment of CYGNSS Wind Speed Retrievals in Tropical Cyclones. Remote Sensing, 2021, 13, 5110.	4.0	12
21	Towards a Climate Data Record of satellite ocean vector winds. , 2012, , .		11
22	Assessment of Saildrone Extreme Wind Measurements in Hurricane Sam Using MW Satellite Sensors. Remote Sensing, 2022, 14, 2726.	4.0	11
23	Reference-Quality Emission and Backscatter Modeling for the Ocean. Bulletin of the American Meteorological Society, 2020, 101, E1593-E1601.	3.3	10
24	Validation of High Ocean Surface Winds from Satellites Using Oil Platform Anemometers. Journal of Atmospheric and Oceanic Technology, 2019, 36, 803-818.	1.3	8
25	SMAP Salinity Retrievals near the Sea-Ice Edge Using Multi-Channel AMSR2 Brightness Temperatures. Remote Sensing, 2021, 13, 5120.	4.0	4
26	Estimate of uncertainties in the Aquarius salinity retrievals. , 2015, , .		3
27	Soil Moisture Active/Passive (SMAP) L-Band Microwave Radiometer Post-Launch Calibration Revisit: Approach and Performance. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11406-11416.	4.9	2
28	Calibration of the SMAP Radiometer for Ocean Applications. , 2020, , .		1
29	Lessons Learned from SMAP Radiometer Pre-/Post-launch Calibration. , 2021, , .		0
30	Smop Microwave Radiometer Calibration Revisit Approaches and Performamnce. , 2020, , .		0